INFORMATION DISCLOSURE STATEMENT

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Serial No.: 09/727,739

Applicant(s): M.A. Sheridan et al.

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Filing Date: December 1, 2000

Group: 1651 1646

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		5,065,748	11/19/91	Bercu				
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		5,590,656	01/07/97	O'Dorisio et al.				
·		5,681,809	10/28/97	Kopchick et al.				•
		5,763,200	06/09/98	Dunmore et al.	,.			
		5,846,819	12/08/98	Pausch et al.				
		5,846,934	12/08/98	Bass et al.				
V		5,925,618	07/20/99	Baumbach et al.				
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		"BLAST," National	Institutes of H	Health [online] United	States.	Retrieved	on	<u>- i -</u>
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		Andrews et al., "Isol	ation and stru	cture of a peptide hor	mone pre	edicted fro	m a n	nRN/
RLi	1			from the catfish pancr	-			
. '		25; <i>256</i> (16):8267-70.						
		Andrews et al., "Isol	ation of produ	icts and intermediates	of panci	eatic pros	omato	ostati
RLi		processing: use of fa	st atom bomb	ardment mass spectro	metry as	an aid in		
		prohormone processi	ing," <i>Biochen</i>	istry, 1987 Jul 28;26((15):4853	3-61.		

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^{*}Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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JUL 1 1 2001 PARADEMA Indrews, et al., "Isolation and characterization of a variant somatostatin-14 and two related somatostatins of 34 and 37 residues from lamprey (Petromyzon marinus)," J RL; Biol Chem, 1988 Oct 25;263(30):15809-14. Argos et al., "Nucleotide and amino acid sequence comparisons of preprosomatostatins," J Biol Chem., 1983 Jul 25;258(14):8788-93. Barrenechea et al.,"Regulatory peptides in gastric endocrine cells of the rainbow trout Oncorhynchus mykiss: general distribution and colocalizations," Tissue Cell, 1994 Jun;26(3):309-21. Beorlegui et al., "Endocrine cells and nerves in the pyloric ceca and the intestine of Oncorhynchus mykiss (Teleostei): an immunocytochemical study," Gen Comp Endocrinol, 1992 Jun;86(3):483-95. Benoit et al., "Presence of somatostatin-28-(1-12) in hypothalamus and pancreas," RLi Proc Natl Acad Sci USA. 1982 Feb;79(3):917-21. Boudjouk, Philip, "Advancing Science Excellence in North Dakota," Grant Abstract, Do Not Print Grant Number 9452892 [online]. National Science Foundation, Experimental Program to Stimulate Competitive Research; project start date July 1, 1995. Retrieved on 2001-03-23 from the Internet: <URL https://www.fastlane.nsf.gov/servlet/showaward?award=9452892>, 1 pg. Brazeau et al., "Hypothalamic polypeptide that inhibits the secretion of RLi immunoreactive pituitary growth hormone," Science, 1973 Jan 5;179(68):77-9. Cavanaugh et al., "Isolation and structural characterization of proglucagon-derived peptides, pancreatic polypeptide, and somatostatin from the urodele Amphiuma tridactylum," Gen Comp Endocrinol, 1996 Jan;101(1):12-20. Celi et al., "The two nonallelic Xenopus insulin genes are expressed coordinately in the adult pancreas," Gen Comp Endocrinol, 1994 Aug;95(2):169-77. Chomczynski et al., "Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction," Anal Biochem, 1987 Apr; 162(1):156-9. Conlon et al., "Fragments of prosomatostatin isolated from a human pancreatic tumour," Mol Cell Endocrinol. 1984 Nov;38(1):81-6. Conlon et al., "An elasmobranchian somatostatin: primary structure and tissue distribution in Torpedo marmorata," Gen Comp Endocrinol, 1985 Dec;60(3):406-13.

EXAMINER	Rushang L.	Date Considered	
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<u> </u>	JUL 1	1 2	201	*
PATER	T& TR	OEM	ARKO	Conlon et al., "Structural characterization of peptides derived from prosomatostating of and II isolated from the pancreatic islets of two species of teleostean fish: the dadd sculpin and the flounder," <i>Eur J Biochem</i> , 1987 Nov 2;168(3):647-52.
			V	Conlon et al., "Characterization of three peptides derived from prosomatostatin [prosomatostatin-(1-63)-, -(65-76)- and -(79-92)-peptides] in a human pancreatic tumour," <i>Biochem J</i> , 1987 Nov 15;248(1):123-7.
			V	Conlon et al., "Primary structures of somatostatins from the islet organ of the hagfish suggest an anomalous pathway of posttranslational processing of prosomatostatin-1," <i>Endocrinology</i> , 1988 May; 122(5):1855-9.
				Conlon et al., "Somatostatin-related and glucagon-related peptides with unusual structural features from the European eel (Anguilla anguilla)," Gen Comp Endocrinol, 1988 Nov;72(2):181-9.
		į	V	Conlon, "Biosynthesis of regulatory peptides - evolution aspect," <i>The Comparative physiology of regulatory peptides</i> (S. Holmgren. ed.) Chapman and Hall, London, pp. 344-369 (1989).
			√	Conlon et al., "[Ser5]-somatostatin-14: isolation from the pancreas of a holocephalan fish, the Pacific ratfish (Hydrolagus colliei)," <i>Gen Comp Endocrinol</i> , 1990 Nov;80(2):314-20.
				Conlon et al., "Somatostatin- and urotensin II-related peptides: molecular diversity and evolutionary perspectives," <i>Regul Pept</i> , 1997 Mar 26;69(2):95-103.
;				de Lecea et al., "A cortical neuropeptide with neuronal depressant and sleep-modulating properties," <i>Nature</i> , 1996 May 16;381(6579):242-5.
			V	Del Sal et al., "The CTAB-DNA precipitation method: a common mini-scale preparation of template DNA from phagemids, phages or plasmids suitable for sequencing," <i>BioTechniques</i> , 1989 May;7(5):514-20.
			, V	Eilertson et al., "Differential effects of somatostatin-14 and somatostatin-25 on carbohydrate and lipid metabolism in rainbow trout Oncorhynchus mykiss," <i>Gen Comp Endocrinol</i> , 1993 Oct;92(1):62-70.
	Y	-	V	Fujita et al., "Evolutionary aspects of "brain-gut peptides": An immunohistochemical study," <i>Peptides</i> , 1981;2(Suppl 2):123-31.

EXAMINER	Date Considered
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	ISCLOSURE	
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Atty. Docket No.: 255.0004 0101	Serial No.: 09/727,739		
Applicant(s): M.A. Sheridan et al.	Conf No.: 4181		
Filing Date: December 1, 2000	Group: 1651-1646		

- 111	4	12	1001	
RL	71	ADE	R	Gerich, "Somatostatin and analogues," <i>Diabetes Mellitus: Theory and Practice</i> , Ellenberg et al., eds., Medical Examinations Publishing Co., Inc., New York, NY, pp. 225-254 (1983).
			V	Gibbins, "Co-existence and co-function," <i>The Comparative Physiology of Regulatory Peptides</i> , Holmgren, ed., Chapman and Hall, New York, NY, pp. 309-343 (1989).
			V	Goodman et al., "Nucleotide sequence of a cloned structural gene coding for a precursor of pancreatic somatostatin" <i>Proc Natl Acad Sci U S A</i> , 1980 Oct;77(10):5869-73.
				Goodman et al., Correction to Fig. 4 of "Nucleotide sequence of a cloned structural gene coding for a precursor of pancreatic somatostatin" [which originally appeared at Goodman et al., <i>Proc Natl Acad Sci U S A</i> , 1980 Oct;77(10):5869-73] <i>Proc Natl Acad Sci U S A</i> , 1980 Oct;79:1682 (1982).
			\	Goodman et al., "Rat pre-prosomatostatin. Structure and processing by microsomal membranes," <i>J Biol Chem</i> , 1983 May 10;258(9):5570-3.
			V	Hobart et al, "Cloning and sequence analysis of cDNAs encoding two distinct somatostatin precursors found in the endocrine pancreas of anglerfish," <i>Nature</i> , 1980 Nov 13;288(5787):137-41.
			V	Kittilson et al., "Polygenic expression of somatostatin in rainbow trout, Oncorhynchus mykiss: evidence of a preprosomatostatin encoding somatostatin-14," Gen Comp Endocrinol, 1999 Apr; 114(1):88-96.
			V	Lamberts et al., "The role of somatostatin and its analogs in the diagnosis and treatment of tumors," <i>Endocr Rev</i> , 1991 Nov; 12(4):450-82.
				Lin et al., "Expression of three distinct somatostatin messenger ribonucleic acids (mRNAs) in goldfish brain: characterization of the complementary deoxyribonucleic acids, distribution and seasonal variation of the mRNAs, and action of a somatostatin-14 variant," <i>Endocrinology</i> , 1999 May; 140(5):2089-99.
				Magazin et al., "Sequence of a cDNA encoding pancreatic preprosomatostatin-22," Proc Natl Acad Sci USA. 1982 Sep;79(17):5152-6.
			V	Marchant et al., "Hypothalamic peptides influencing growth hormone secretion in the goldfish, Carassius auratus," Fish Physiol Biochem, 1989;7(1-4):133-9.
		:	V	Minth et al., "The structure of cloned DNA complementary to catfish pancreatic Somatostatin-14 messenger RNA," <i>J Biol Chem</i> , 1982 Sep 10;257(17):10372-7.

EXAMINER	Date Considered
Revisione L.	6/24/2002
*Evaminar: Initial if citation considered whether or not citation is in	conformance with MDFD 600. Draw line through citation if not in

]	INFORMATION
	DISCLOSURE
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Atty. Docket No.: 255.0004 0101	Serial No.: 09/727,739			
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Filing Date: December 1, 2000	Group: 1681 1646			

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CATEN) R	e n	ADE	TO AND YOU	Moore et al. "Isolation and characterization of a cDNA Encoding for preprosomatostatin containing [Tyr ⁷ , Gly ¹⁰]-Somatostatin-14 from the endocrine pancreas of rainbow trout, <i>Oncorhynchus mykiss</i> ," <i>Gen Comp Endocrinol</i> , 1995 Jun; 98(3):253-61.
			V	Moore et al., "Rainbow trout (<i>Oncorhynchus mykiss</i>) possess two somatostatin mRNAs that are differentially expressed," <i>Am J Physiol</i> . 1999 Dec;277(6 Pt 2):R1553-61.
			· /	Mullis, "The polymerase chain reaction in an anemic mode: how to avoid cold oligodeoxyribonuclear fusion," <i>PCR Methods Appl</i> , 1991 Aug; <i>l</i> (1):1-4.
			/	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus No. GDSOM1428, Accession No. X60191, "G. domesticus mRNA for somatostatin-14 and somatostatin-28," [online]. Bethesda, MD. Retrieved on 2001-01-22 from Internet: <url: entrez="" http:="" ids="62985&dopt=GenBank" query.fcgi?cmd="Retrieve&db=Nucleotide&list_u" www.ncbi.nlm.nih.gov="">, 2 pgs. Considered; Do Not Print!</url:>
			<i>J</i> 2	Nguyen et al., "Characterization of the pancreatic hormones from the Brockmann body of the tilapia: Implications for islet xenograft studies," Comp Biochem Physiol C Pharmacol Toxicol Endocrinol, 1995 May;111C(1):33-44.
			V	Nishii et al., "Isolation and characterization of [Pro ²]somatostatin-14 and melanotropins from Russian sturgeon, <i>Acipenser gueldenstaedti</i> Brandt," <i>Gen Comp Endocrinol</i> , 1995 Jul;99(1):6-12.
			V	Norman et al., "Anterior Pituitary Hormones," <i>Hormones</i> , Academic Press, New York, NY, pp. 133-68 (1997).
				Norman et al., "Pancreatic Hormones: Insulin and Glucagon," <i>Hormones</i> , Academic Press, New York, NY, pp. 193-227 (1997).
			V	Nozaki et al., "Different cellular distributions of two somatostatins in brain and pancreas of salmonids, and their associations with insulin- and glucagon-secreting cells," Gen Comp Endocrinol. 1988 Feb;69(2):267-80.
		,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ohno, "Polyploidy: Duplication of the Entire Genome," <i>Evolution by Gene Duplication</i> , Springer-Verlag, Berlin, pp. 98-106 (1970).

EXAMINER	Date Considered	
Rustiang L.	6/24/2002	
*Evaminer: Initial if citation considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in		

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INFORMATION
DISCLOSURE
OFFEREMENT

 Atty. Docket No.: 255.0004 0101
 Serial No.: 09/727,739

 Applicant(s): M.A. Sheridan et al.
 Conf No.: 4181

Latel, "General aspects of the biology and function of somatostatin," Basic and Clinical Aspects of Neuroscience, Weil et al., eds., Springer-Verlag, Berlin, Vol. 4, pp. 1,-16 (1992). Patel et al., "The somatostatin receptor family," Life Sci, 1995;57(13):1249-65. Pearse, "The phylogeny of the common peptides (Chairman's address)," *Proc R Soc* Lond B Biol Sci. 1980;210:61-62. Pesek et al., "Fasting alters somatostatin binding to liver membranes of rainbow trout (Oncorhynchus mykiss)," J Endocrinol, 1996 Aug; 150(2):179-86. Plisetskaya et al., "Characterization of coho salmon (Oncorhynchus kisutch) islet somatostatins," Gen Comp Endocrinol, 1986 Aug;63(2):252-63. Plisetskaya et al., Erratum to "Characterization of coho salmon (Oncorhynchus kisutch) islet somatostatins," [which originally appeared as Plisetskaya et al., Gen Comp Endocrinol, 1986 Aug;63(2):252-63] Gen. Comp. Endocrinol., 1987;65(1):166. Plisetskaya, "Pancreatic peptides," The Comparative physiology of regulatory peptides (S. Holmgren. ed.) Chapman and Hall, London, pp. 175-202 (1989). Pradayrol et al., "N-terminally extended somatostatin: the primary structure of somatostatin-28," FEBS Lett, 1980 Jan 1;109(1):55-8. Pugsley, "Early stages in secretory pathway," Protein Targeting, Academic Press, New √ York, NY, pp. 45-111 (1989). Reichlin, "Somatostatin," Brain Peptide, Krieger et al., eds., John Wiley and Sons, New York, NY, pp. 712-752 (1982). Reisine et al., "Molecular biology of somatostatin receptors," Endocr Rev, 1995 Aug;16(4):427-42. Sambrook et al., "Electrophoresis onto DEAE-cellulose Membrane," Molecular Cloning: A Laboratory Manual, 2nd ed., Cold Spring Harbor Laboratory Press, Plainview, New York, pp. 6.24-6.27 (1989). Sambrook et al., "Labeling the 5' terminus of DNA with bacteriophage T4

Filing Date: December 1, 2000

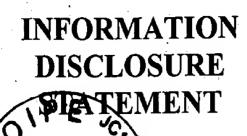
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	Ruisiang L.	6/24/2002	
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M polynucleotide kinase," Molecular Cloning: A Laboratory Manual, 2nd ed., Cold

Spring Harbor Laboratory Press, Plainview, New York, pp. 10.59-10.60 (1989).

OMB No. 0651-0011

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 Atty. Docket No.: 255.0004 0101
 Serial No.: 09/727,739

 Applicant(s): M.A. Sheridan et al.
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 Filing Date: December 1, 2000
 Group: 1651-1646

JUL 1 1 2001 E

	JUL	1	N	ועק	30	
RI	ENT	TR	ADE	MAR	Then et al., "Human somatostatin I: Sequence of the cDNA," <i>Proc Natl Acad Sci US</i> A, 1982 Aug;79(15):4575-9.	
	3			V	Sheridan "Structure-function relationships of the somatostatin peptide hormone family," <i>Amer. Zool.</i> , 1998;38(5):142A(abst. 492).	
			\		Sheridan, "Regulation of lipid metabolism in poikilothermic vertebrates" <i>Comp Biochem Physiol</i> , 1994;107B(4):495-508.	
				1	Sheridan et al., "Structure-function relationships of the signaling system for the somatostatin peptide hormone family," <i>Amer. Zool.</i> , 2000;40(2):269-286.	
				0	Sheridan et al., "Polygenic Expression of Somatostatin in rainbow trout," Advances in Comparative Endocrinology, 1997;1:291-294 [Proceedings of XIII International Congress of Comparative Endocrinology Yokohama, Japan: 16-21 November 1997], Kawashima et al., eds., Monduzzi Editore, Bologna, Italy.	
				/	Sheridan, Mark A., "Differential Expression of Somatostatin Genes in Rainbow Trout," Grant Abstract, Grant Number 9723058 [online]. National Science Foundation, Division of Integrative Biology and Neuroscience; project start date 1997-09-01. Retrieved on 2001-03-23 from the Internet: URL: Considered; Do Not Print! https://www.fastlane.nsf.gov/servlet/showaward?award=9723058>, 1 pg.	
				1	Shuldiner et al., "RNA template-specific PCR: An improved method that dramatically reduces false positives in RT-PCR," <i>BioTechniques</i> , 1991 Dec; 11(6):760-3.	
		U	/		Slagter et al., "Isolation and characterization of cDNAs encoding for somatostatin receptor from rainbow trout," <i>Amer. Zool.</i> , 1999;39(5):30A(abst. 170)	
				V	Spiess et al., "Isolation and characterization of somatostatin from pigeon pancreas," Endocrinology, 1979 Jun; 76(6):33-40.	
				V	Su et al., "Structure and evolution of somatostatin genes," <i>Mol Endocrinol</i> , 1988 Mar; 2(3):209-16.	
	\ \ \			/	Tatusova, et al. "BLAST 2 Sequences, a new tool for comparing protein and nucleotide sequences," <i>FEMS Microbiol Lett</i> , 1999 May 15;174(2):247-50.	

EXAMINER Ruisiang L.	Date Considered 6/24/2002
to a second substitution of not sitation is in	conformance with MPEP 609: Draw line through citation if not in

INFORMATION	Atty. Docket No.: 255.0004 0101	Serial No.: 09/727,739
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STATEMENT	Filing Date: December 1, 2000	Group: 1651 1646

1651 1646 JUL 1 1 2001 Takosova, et al. Erratum to "BLAST 2 Sequences, a new tool for comparing protein TRANGE de nucleotide sequences," [which originally appeared as Tatusova et al., FEMS $\overline{\mathbf{r}}$ Microbiol Lett, 1999 May 15;174(2):247-50] FEMS Microbiol Lett 1999 Aug RL: 1,177(1):187-8. Thompson et al., "CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-specific gap penalties and weight matrix choice," Nucleic Acids Res, 1994 Nov 11;22(22):4673-80. Tostivint et al., "Occurrence of two somatos tatin variants in the frog brain: characterization of the cDNAs, distribution of the mRNAs, and receptor-binding affinities of the peptides," Proc Natl Acad Sci USA, 1996 Oct 29;93(22):12605-10. Travis et al., "Phenol emulsion-enhanced DNA-driven subtractive cDNA cloning: isolation of low-abundance monkey cortex-specific mRNAs," Proc Natl Acad Sci USA, 1988 Mar;85(5):1696-700. Uesaka et al., "Somatostatin-, vasoactive intestinal peptide-, and granulin-like peptides isolated from intestinal extracts of goldfish, Carassius auratus," Gen Comp Endocrinol, 1995 Sep;99(3):298-306. Vaudry et al., "Isolation of [Pro²,Met¹³]somatostatin-14 and somatostatin-14 from the frog brain reveals the existence of a somatostatin gene family in a tetrapod," Biochem Biophys Res Commun, 1992 Oct 15;188(1):477-82. Wang et al., "Neuroendocrine peptides (NPY, GRP, VIP, somatostatin) from the brain and stomach of the alligator," Peptides, 1993 May-Jun;14(3):573-9. Wang et al., "Prosomatostatin-1 is processed to somatostatin-26 and somatostatin-14 in the pancreas of the bowfin, Amia calva," Regul Pept, 1993 Aug 13;47(1):33-9. Wass, "Somatostatin," Endocrinology, DeGroot, ed., WB Saunders, Philadelphia, PA, pp. 152-66 (1989). Yamada et al., "Cloning and functional characterization of a family of human and mouse somatostatin receptors expressed in brain, gastrointestinal tract, and kidney,"

EXAMINER	Date Considered
Rustiang L.	6/24/2002
*Examiner: Initial if citation considered, whether or not citation is in c	onformance with MPEP 609: Draw line through citation if not in

Proc Natl Acad Sci USA, 1992 Jan 1;89(1):251-5.

conformance and not considered. Include copy of this form with next communication to applicant.